

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Shotaro YAMAGUCHI et al.

Appln. No.: unassigned

Group Art Unit: unassigned

Filed: December 4, 2000

Examiner: unassigned

For: NOVEL PROTEIN-DEAMIDATING ENZYME, MICROORGANISM PRODUCING THE SAME, GENE ENCODING THE SAME, PRODUCTION PROCESS THEREFOR, AND USE THEREFOR

STATEMENT TO SUPPORT FILING AND SUBMISSION IN  
ACCORDANCE WITH 37 C.F.R. §§ 1.821-1.825

Assistant Commissioner for Patents

Washington, D.C. 20231

**Box SEQUENCE**

Sir:

In connection with a Sequence Listing submitted concurrently herewith, the undersigned hereby states that:

1. the submission, filed herewith in accordance with 37 C.F.R. § 1.821(g), does not include any new matter;
2. the content of the attached paper copy and the attached computer readable copy of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), respectively, are the same; and
3. all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that

such willful false statements may jeopardize the validity of the application or any patent resulting therefrom.

Respectfully submitted,



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Date: December 4, 2000

# SEQUENCE LISTING

<110> Yamaguchi, Shotaro

<120> NOVEL PROTEIN-DEAMIDATING ENZYME, MICROORGANISM PRODUCING THE SAME, GENE  
ENCODING THE SAME, PRODUCTION PROCESS THEREFOR, AND USE THEREOF

<130> A20-128923C

<150> JP Hei. 11-345044

<151> 1999-12-03

<160> 11

<170> PatentIn version 3.0

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 Ile Thr Phe Arg Tyr Pro Val Asp Gly Cys Tyr Ala Arg Ala His Lys  
 35 40 45  
 Met Arg Gln Ile Leu Met Asn Asn Gly Tyr Asp Cys Glu Lys Gln Phe  
 50 55 60  
 Val Tyr Gly Asn Leu Lys Ala Ser Thr Gly Thr Cys Cys Val Ala Trp  
 65 70 75 80  
 Ser Tyr His Val Ala Ile Leu Val Ser Tyr Lys Asn Ala Ser Gly Val  
 85 90 95  
 Thr Glu Lys Arg Ile Ile Asp Pro Ser Leu Phe Ser Ser Gly Pro Val  
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 Thr Asp Thr Ala Trp Arg Asn Ala Cys Val Asn Thr Ser Cys Gly Ser  
 115 120 125  
 Ala Ser Val Ser Ser Tyr Ala Asn Thr Ala Gly Asn Val Tyr Tyr Arg  
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Thr Phe Asn Ser Cys Ala Asp Ser Asn Gly Asn Gln Glu Ile Asn  
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Gly Lys Glu Lys Leu Ser Val Asn Asp Ser Lys Leu Lys Asp Phe Gly  
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Ser Phe Met Leu Thr Ala Gln Phe Tyr Glu Ile Lys Pro Thr Lys Glu  
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Asn Glu Gln Tyr Ile Gly Met Leu Arg Gln Ala Val Lys Asn Glu Ser  
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cct gta cac att ttc tta aag cct aat agc aat gaa ata gga aaa gtg 390  
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Lys Glu Val Lys Gly Gln Thr Asn Lys Leu Ala Ser Val Ile Pro Asp

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ggt acc tct acg gcg tcc tca cca tgc atc aca ttc aga tat cct gta 582  
Gly Thr Ser Thr Ala Ser Ser Pro Cys Ile Thr Phe Arg Tyr Pro Val  
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gac gga tgt tat gca aga gcc cat aag atg aga caa atc tta atg aac 630  
Asp Gly Cys Tyr Ala Arg Ala His Lys Met Arg Gln Ile Leu Met Asn  
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aac ggc tat gac tgt gaa aaa caa ttt gta tac gga aac cta aag gca 678  
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tca aca gga act tgc tgt gtg gcg tgg agc tac cac gtt gca ata ttg 726  
Ser Thr Gly Thr Cys Cys Val Ala Trp Ser Tyr His Val Ala Ile Leu  
75 80 85

gta agc tat aaa aat gct tcc gga gta acg gaa aaa aga att att gat 774  
Val Ser Tyr Lys Asn Ala Ser Gly Val Thr Glu Lys Arg Ile Ile Asp  
90 95 100

cct tca cta ttt tca agc ggt cct gta aca gat aca gca tgg aga aac 822  
Pro Ser Leu Phe Ser Ser Gly Pro Val Thr Asp Thr Ala Trp Arg Asn  
105 110 115

gct tgc gtt aac acc tct tgc gga tct gca tcc gtt tcc tct tat gct 870  
Ala Cys Val Asn Thr Ser Cys Gly Ser Ala Ser Val Ser Ser Tyr Ala  
120 125 130 135

aat act gca gga aat gtt tat tac aga agt cct agt aat tct tac ctg 918  
Asn Thr Ala Gly Asn Val Tyr Tyr Arg Ser Pro Ser Asn Ser Tyr Leu  
140 145 150

tat gac aac aat ctg atc aat acc aac tgt gta ctg act aaa ttt tca 966  
Tyr Asp Asn Asn Leu Ile Asn Thr Asn Cys Val Leu Thr Lys Phe Ser  
155 160 165

ctg ctt tcc gga tgt tct cct tca cct gca ccg gat gta tcc agc tgt 1014  
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Pro Val His Ile Phe Leu Lys Pro Asn Ser Asn Glu Ile Gly Lys Val  
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Lys Glu Val Lys Gly Gln Thr Asn Lys Leu Ala Ser Val Ile Pro Asp  
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Val Ala Thr Leu Asn Ser Leu Phe Asn Gln Ile Lys Asn Gln Ser Cys  
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Gly Thr Ser Thr Ala Ser Ser Pro Cys Ile Thr Phe Arg Tyr Pro Val  
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Asp Gly Cys Tyr Ala Arg Ala His Lys Met Arg Gln Ile Leu Met Asn  
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Asn Gly Tyr Asp Cys Glu Lys Gln Phe Val Tyr Gly Asn Leu Lys Ala  
60 65 70

Ser Thr Gly Thr Cys Cys Val Ala Trp Ser Tyr His Val Ala Ile Leu  
75 80 85



Val Ser Tyr Lys Asn Ala Ser Gly Val Thr Glu Lys Arg Ile Ile Asp  
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Pro Ser Leu Phe Ser Ser Gly Pro Val Thr Asp Thr Ala Trp Arg Asn  
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Asn Thr Ala Gly Asn Val Tyr Tyr Arg Ser Pro Ser Asn Ser Tyr Leu  
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Tyr Asp Asn Asn Leu Ile Asn Thr Asn Cys Val Leu Thr Lys Phe Ser  
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